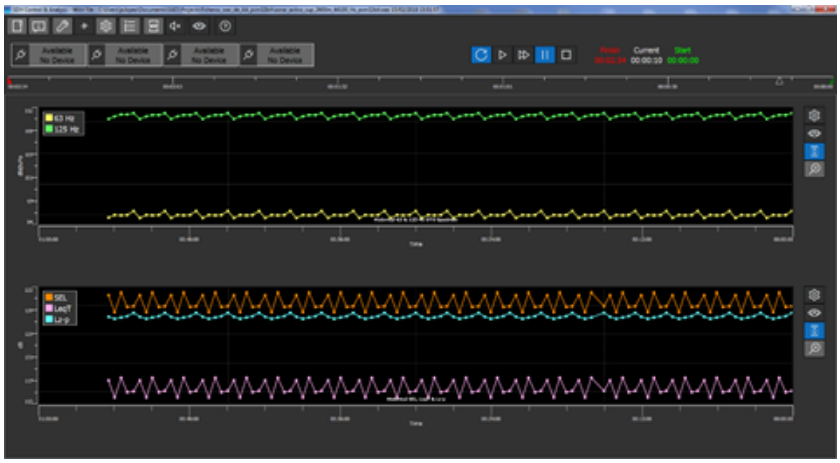
SOURCE-TYP

Underwater Noise Sources Characterization and Typification

New regulations and norms are being defined in order to control the underwater noise, acoustic and electro-magnetic, produced by ships and facilities at sea. For instance, the European Marine Strategy Framework Directive (MSFD), where its 11th descriptor refers to this underwater noise. Also the regulation [II-1/3-12] of the International Convention for the Safety of Life at Sea (SOLAS) for protection against underwater noise.

SOURCE-TYP is a software tool for visualizing, processing and analysing several types of underwater signals, of several nature and properties. The tool allows the management of those signals in a massive way in accordance with normative standards.

SOURCE-TYP processes, analyzes and generates reports of signals acquired by multi-influence sensors (acoustic, electrical, magnetic or combined), focusing on the types of processing considered necessary.



FEATURES

- Processing and analysing of acoustic, electrical and magnetic signals, previously acquired by sensors.
- Analysis LOFAR, vernier, DEMON, transients and OTO.
- Compliant with the current standards
- Processing of large amounts of data, indicated for long-term measurement campaigns.
- Unattended processing of data.
- Analysis custom configuration, defined by user.
- Characterization and typification of source noise based on analysis results.
- Reports generation.
- Coherent storage of analysis results and reports.

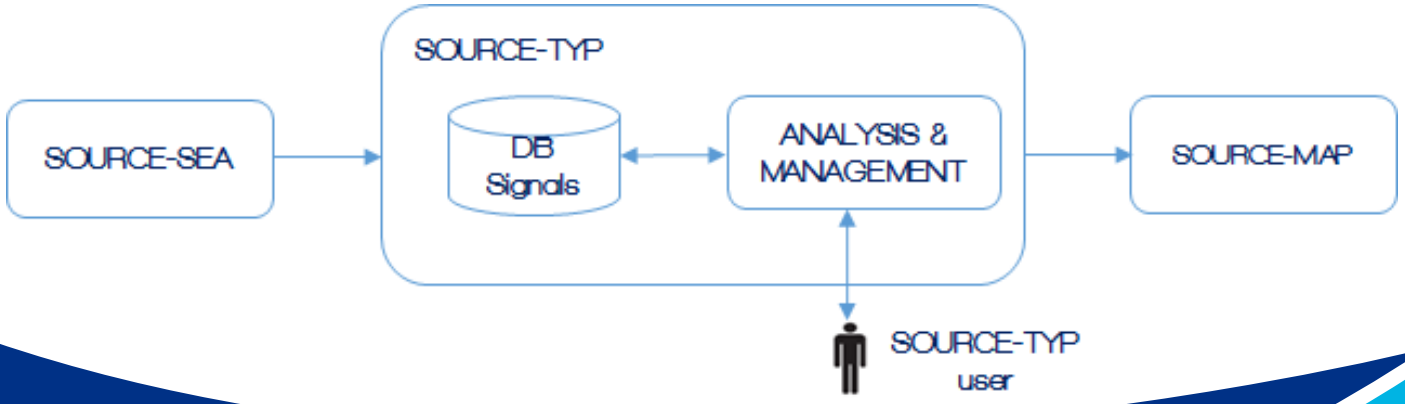
SOURCE-TYP integration with other SAES related systems.

SOURCE-SEA.

System for acquiring the multi-influence signals which can be analyzed and coherently stored by SOURCE-TYP.

SOURCE-MAP.

Tool for sound-maps generation, using the sources characterized by SOURCE-TYP.



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